WXGA Ultra-Short Throw LCD Projectors

CP-AW250N/CP-AW250NM

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DEVICE AMX DISCOVERY

3LCD

Ultra-Short Throw makes lessons more enjoyable and productive for both students and teachers

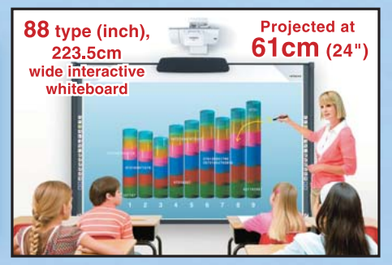
WXGA Ultra-Short Throw LCD Projectors

CP-AW250N/CP-AW250NM

WXGA 2,500 Lumens

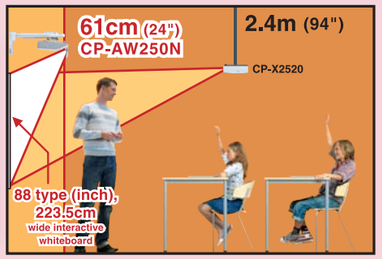
- Wall mount unit: included with CP-AW250NM, optional with CP-AW250N.

Use a large screen even in limited spaces.



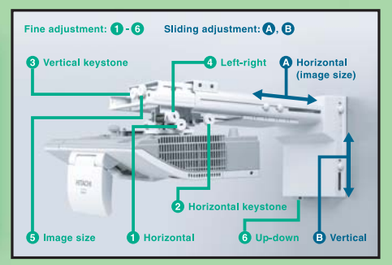
These mirror projection type projectors feature Ultra-Short Throw, for projecting on an 88 type (inch), 223.5cm wide interactive whiteboard from only 61cm (24 inches). They can project on large screens even in classrooms with limited space. With a large screen, students will pay closer attention to the lesson.

Reduces glare and shadows.



Ultra-Short Throw greatly reduces glare from the projector's light source, making it easier for the teacher to see the students. Students also have a clearer view because the teacher's hand and body shadows are minimized. The result is a better classroom experience for both teachers and students.

Precision control wall mount unit*.



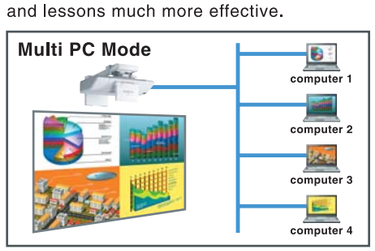
The six-axis wall mount design ensures that the projector can be installed in exactly the right positon. The entire unit slides horizontally and vertically, and fine adjustments can be made to each axis independently.

* Included with CP-AW250NM, optional with CP-AW250N. Do not attempt to install the projector yourself. Have your dealer or service center handle all installation work.

Advanced Network Functions

Network Presentations

You can project still or moving images from one or more networked computers. The Single PC mode lets you select one computer on the network, while the Multi PC mode lets you use up to four computers. Displaying various images from computers makes presentations and lessons much more effective.



Messenger

The Messenger function transmits text data to the projector via a network, so the projector can display it. This is an easy and efficient way to send campus-wide announcements.

Messenger is ideal for:

- Campus Notifications
- School Activities • Daily Schedules
- Community/Local News

• This function is not intended or guaranteed for the distribution of warning messages created by security systems.

Centralized Reporting

With just one PC in an administration room, you can collect reports from all projectors connected to the network.

Superior Convenient Features

WXGA (1280 x 800) and 720p Capability

Featuring WXGA (1280 x 800) resolution, these projectors are capable of displaying wide and large images.

Perfect Fit

Perfect Fit enables quick adjustment of the projected image by moving its four corners one at a time. In addition, barrel or pincushion distortion, which occur on rounded surfaces, can easily be corrected.

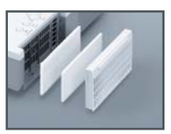
PC-Less Presentation

By using a USB memory stick or other storage device*, you can use the projector without a PC. Menus are easy to see with a thumbnail display, and there is also a slideshow function.

* Not compatible with all USB storage devices.

Hybrid Filter

The Hybrid Filter has an electrostatic design with hybrid protection filter layers, protecting the optics from dust, dirt and chalk particles. It also has a longer life than previous filters, so the projector requires less frequent maintenance.



Easy Maintenance

The lamp door is on the top and the filter cover on the back, so maintenance and replacement of these parts can be done easily.

Versatile Security Functions

These projectors are equipped with a security bar, PIN Lock, MyScreen Lock and Transition Detector functions.

Inorganic LCD Panel

These projectors use three inorganic LCD panels, which feature higher resistance to light. The use of double speed drive further improves picture quality.

10W Internal Speaker

The CP-AW250N and CP-AW250NM have a built-in 10W high power speaker.

More Convenient Features

• 2,000 : 1 High Contrast Ratio (Presentation Mode) • Low Noise of 28dB*1 (ECO Mode) • Display via USB • Audio Pass Through*2 • Power Saving Mode • Template Function*3 • Blackboard or Whiteboard Modes at Picture Setting • Daytime Mode • Resolution Preset and Custom Modes • My Button • My Memory • Input Source Naming • 4-Second Quick Start • Direct Power On/Off • Closed Caption • Compatible with AMX Device Discovery

*1 Typical. Tested in 23°C environmental conditions.
*2 When in Normal mode at standby setting. It does not function in Saving mode.
*3 Patent pending

SPECIFICATIONS

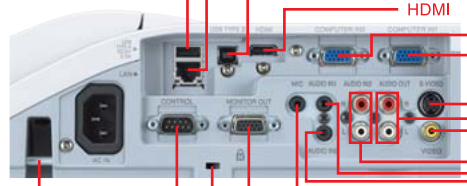
Model name		CP-AW250N/CP-AW250NM
Liquid crystal panel		0.59 type (inch), 1.5cm polysilicon active-matrix TFT x 3
Number of pixels		1,024,000 pixels (H1280 x V800)
Resolution		1280 x 800 color pixels (WXGA)
Digital zoom		x1.2
Lamp		210W UHP
Light output (brightness)		2,500 Lumens
Contrast ratio		2,000:1 (Presentation mode)
Audio		10W
Keystone correction		Manual Horizontal/Vertical Keystone
Power supply		AC100-120V/AC220-240V
Operating temperature		5-35°C (41-95°F)
Input signals	Computer input	VGA, SVGA, XGA, WXGA, WXGA+, SXGA, WSXGA+, UXGA, MAC16"
	Video input	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL, PAL (60Hz) HDTV: 720p@60, 1080i@50/60, 1080p@50/60 SDTV: 480i, 480p, 576i
Input/output terminals	Video input	S-Video: Mini Din 4-pin x 1, Composite video: RCA jack x 1 Component video: via Mini-Dsub x 2
	Audio input	Stereo Mini jack x 2, RCA jack x 2 (L/R)
	Computer input	Analog RGB: 15-pin Mini-Dsub x 2
	HDMI input	HDMI x 1 (HDCP compliant)
	Audio output	RCA jack x 2 (L/R)
	Monitor output	Analog RGB: 15-pin Mini-Dsub x 1
	USB	USB type A x 1 for PC-less presentation, USB type B x 1 for USB display, USB mouse control
	Control	9-pin Dsub x 1 for RS232C
	Wired network (LAN)	RJ-45 x 1
	Mic. input	Mono Mini jack x 1 (compatible with dynamic microphones and unbalanced signal lines)
Agency certifications		UL/cUL, FCC Part15 class A, AS/NZS CISPR22 class A, CE, RoHS, GOST-R
Dimensions (WxHxD)		345 x 85 x 303mm (13.6" x 3.3" x 11.9") [excluding protruding part, when mirror is closed.]
Weight		Approximately 3.8kg (8.5 lbs.)
Standard accessories		Computer cable, Remote control, Batteries, Cable cover, Power cord, User's manual, Security label, Application CD, Wall mount unit and user's manual*
Optional accessories		Lamp: DT01181, Filter set: UX37191, Laser remote control: HL02651 (RC-R008)

Cable cover

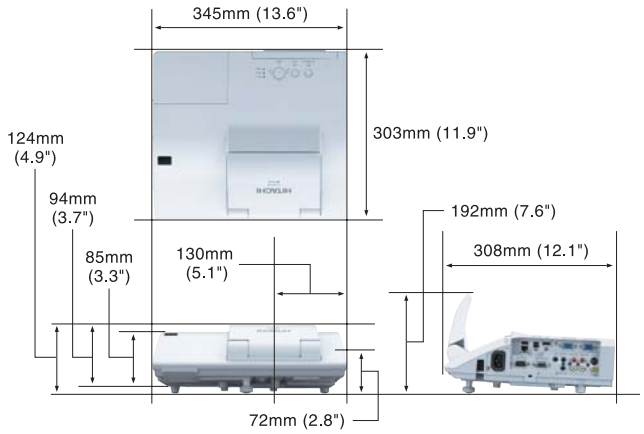
Wall mount unit (HAS-K250)*

*Optional with CP-AW250N.

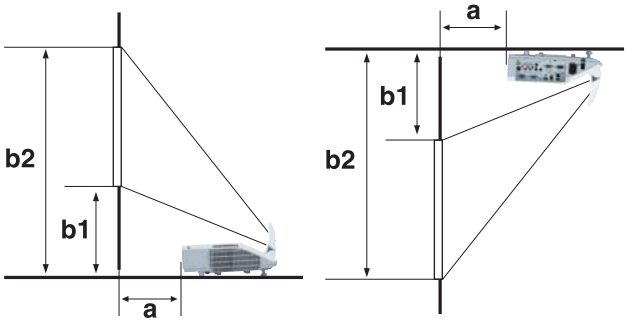
TERMINALS



DIMENSIONS



PROJECTION DISTANCE



Screen Size (16:10 Screen)	a	b1	b2
60 type (inch), 1.5m	0.120m (4.7")	0.295m (11.6")	1.102m (43.4")
70 type (inch), 1.8m	0.188m (7.4")	0.332m (13.1")	1.274m (50.2")
80 type (inch), 2.0m	0.256m (10.1")	0.369m (14.5")	1.446m (56.9")
90 type (inch), 2.3m	0.324m (12.8")	0.407m (16.0")	1.618m (63.7")
100 type (inch), 2.5m	0.392m (15.4")	0.444m (17.5")	1.791m (70.5")

- Manufacturer's recommended size is 60 type (inch), 1.5m – 100 type (inch), 2.5m.
- Tolerance ±8% (for projection distance a)
- Final specifications may vary slightly.

Consideration for the Environment

Compliance with EU Directive RoHS*1

*1 RoHS is the acronym of "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment".

Reduction of resin usage in production

Use of hot runners in molds for making upper housing in order to reduce mill ends.

Reduction of CO_2 emissions

Carton volume has been cut down to 43%*2, reducing CO_2 emissions during transport.

*2 Compared to Hitachi CP-A100 ultra-short throw projector on the basis of one carton box.

Power saving mode engaged during standby

ECO mode

ECO mode provides power saving.

- Design and specifications are subject to change without notice.
- The projected images and comparison photos in this catalog are simulations.
- LCD panels, polarizers and other optical components and cooling fans may need replacement after prolonged usage. For more details, please consult a Hitachi sales representative.
- Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
- Optical components (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter]) have limited service lives. They must be repaired or replaced if they are used for a long period of time.
- These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
- Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
- LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
- Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
- HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Remote control warning: Do not look into the laser beam. Class 2 Laser product; maximum output 1mW; wavelength 650nm.

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